

[®]
Crescent

CooperTools

Crescent

Makers of the original Crescent Wrench, the one customers ask for by name. Founded in 1907, Crescent now provides professionals, tradesmen and homeowners with the finest in adjustable wrenches, pliers, screwdrivers, nutdrivers, nail pullers and awls.

Special features available on Crescent products

Code: Use these letters after tool number and size to indicate your requirements. (Example: 942-4SC indicates 942-4" pliers with spring and cushion grip).

C—Cushion grip

E—Full flush cutting edge for Diagonal cutting pliers or End cutting nippers

I—Crestex insulated grip

P—Plain jaws

S—Pliers, coil spring between handles

T—Tenite grips

G—Semi-flush cutting edge for Diagonal cutting pliers or End cutting nippers

Cushion grip

A rough textured flat finish dipped and baked on at factory for extra comfort and slip resistance. Red color aids locating lost tools.

Crestex grip

A hard, tough, long wearing material impervious to oil, gasoline and most solvents. Chip, dent and crack resistant. Supplied in orange color.

Tenite grip

Slip-on grips that provide maximum hold with minimum slippage because of molded-in serrations. These safety yellow handles are of a long-life, hard, tough material.

Crescent packaging

Certain tools are available in a special, vacuum packed hanging display package. To order, add suffix "V." For example, AC14V is carded. AC14 is not carded.

Note:


N/S No. is an abbreviation for NIDA/SIDA Number.


Contents

	Page No.
Adjustable wrenches	C1—C4
Tongue and groove pliers	C5
Slip joint pliers	C6—C7
Solid joint pliers	C8—C14
Solid joint lineman's pliers	C14—C17
Cushion grip screwdrivers	C17—C19
Rhino screwdrivers	C19—C21
Bridgeport screwdrivers	C22
Scratch awls	C23
Nutdrivers	C23
Nail pullers	C23
Miscellaneous tool kit	C24—C25
Modules (displays)	C25—C26
Numerical index	C27

Key to symbols

 Overall length

 Jaw opening

 Blade length (of screwdrivers)

 Blade diameter (of screwdrivers)

 Overall length (of screwdrivers)

Crescent® adjustable wrenches

World famous "Crescent" adjustable wrench. Made of fine alloy steel to give extra strength and wear. Proportioned dimensions for greatest strength with minimum weight. Used by professional mechanics, industrial tradesmen and home mechanics. Tension spring under Knurl helps prevent jaw opening from changing adjustment. Open handle design permits easier Knurl adjustment. Made of drop-forged alloy steel and heat treated for toughness and durability. Available in chrome or black phosphate finish.



Chrome finish

Regular handle. Polished head. Heavy chromium plating to resist corrosion and rust.



Cat. No.	N/S No.	Length "/mm	Head Width "/mm	Weight oz/g	Shelf Pack
AC14	46168	4/100	1/2/13	2.72/77	6
AC14V	46169				
AC16	46180	6/150	3/4/19	4.96/141	6
AC16V	46181				
AC18	46193	8/200	1 1/8/24	8.96/25.4	6
AC18V	46194				
AC18I	46857				
AC110	46303	10/250	1 1/2/29	20.48/581	6
AC110V	46304				
AC110I	46676				
AC112	46316	12/300	1 5/8/33	24.96/708	6
AC112V	46317				3
AC112I	46677				6

Tapered handle

Less weight. Better two-hand grip. Chromium plated.



Cat. No.	N/S No.	Length "/mm	Head Width "/mm	Weight oz/g	Shelf Pack
AC115	46329	15/380	1 1/2/43	52.32/1483	1
AC118	46335	18/460	2 1/8/52	81.44/2309	1
AC124	46341	24/610	2 7/8/62	140.80/3992	1

Cushion grip, chrome finish



Same as adjustable wrenches above, but with addition of new exclusive low-fusion plastisol Safety Grip; $\frac{1}{8}$ " baked on plastic coating with textured surface to provide comfortable, sure grip even under oiliest, sweatiest conditions. Bright red for easy identification.

Cat. No.	N/S No.	Length "/mm	Width "/mm	Weight oz/g	Shelf Pack
AC14C AC14CV	46170 46171	4/100	$\frac{1}{2}$ /13	3.52/100	6
AC16C AC16CV	46182 46183	6/150	$\frac{3}{4}$ /19	4.96/141	6
AC18C AC18CV	46195 46196	8/200	$1\frac{1}{8}$ /24	9.28/263	6
AC110C AC110CV	46305 46306	10/250	$1\frac{1}{8}$ /29	21.92/621	6
AC112C AC112CV	46318 46319	12/300	$1\frac{5}{8}$ /33	27.20/771	6

Black phosphate finish



Regular handle. Non-slip grip. Polished head. Corrosion resistant finish.

Cat. No.	N/S No.	Length "/mm	Width "/mm	Weight oz/g	Shelf Pack
AT14 AT14V	46175 46176	4/100	$\frac{1}{2}$ /13	2.72/77	6
AT16 AT16V	46187 46188	6/150	$\frac{3}{4}$ /19	4.96/141	6
AT18 AT18V AT18I	46200 46201 46685	8/200	$1\frac{1}{8}$ /24	8.96/254	6
AT110 AT110V AT110I	46310 46311 46314	10/250	$1\frac{1}{8}$ /29	20.64/585	6
AT112 AT112V	46324 46325	12/300	$1\frac{5}{8}$ /33	24.96/708	6 3

Tapered handle



Cat. No.	N/S No.	Length "/mm	Width "/mm	Weight oz/g	Shelf Pack
AT115	46333	15/380	$1\frac{1}{8}$ /43	52.32/1483	1
AT118	46339	18/460	$2\frac{1}{8}$ /52	81.44/2309	1

Cushion grip, black phosphate finish



Cat. No.	N/S No.	Length "/mm	Width "/mm	Weight oz/g	Shelf Pack
AT14C	46177	4/100	$\frac{1}{2}$ /13	3.52/100	6
AT16C	46189	6/150	$\frac{3}{4}$ /19	4.96/141	6
AT18C AT18CV	46202 46203	8/200	$1\frac{1}{8}$ /24	9.28/263	6
AT110C AT110CV	46312 46313	10/250	$1\frac{1}{8}$ /29	21.92/621	6
AT112C AT112CV	46326 46327	12/300	$1\frac{5}{8}$ /33	27.20/771	6

Tool kits



2 and 3 piece chromium plated adjustable wrenches in vinylite case with snap fastener.

Cat. No.	N/S No.	Description	Contents	Shelf Pack
AC Kit	46150	3 pieces	AC16, AC18 and AC110	1
AC1	46772	2 pieces	AC16 and AC110	1

Tool kits

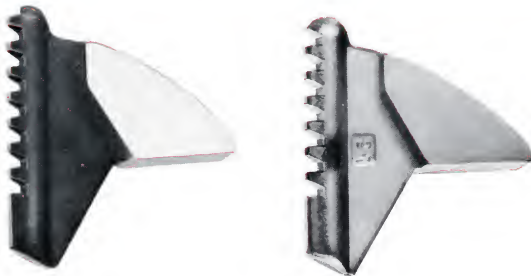


2 and 3 piece chromium plated adjustable wrenches on skin packed hang-up card.

Cat. No.	N/S No.	Description	Contents	Shelf Pack
ACV	46868	3 pieces	AC16, AC18 and AC110	1
AC1V	46869	2 pieces	AC16 and AC110	1

Adjustable wrench repair parts

Jaws for AC and AT wrenches



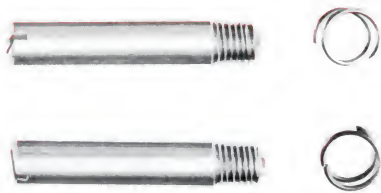
Size "/mm	AC Cat. No.	N/S No.	AT Cat. No.	N/S No.	oz/g	Shelf Pack
4/100	AC14J	46172	AT14J	46179	4.5/128	3
6/150	AC16J	46184	AT16J	46191	9.0/255	3
8/200	AC18J	46197	AT18J	46204	17.0/482	3
10/250	AC110J	46307	AT110J	46315	28.5/808	3
12/300	AC112J	46321	AT112J	46328	36.0/1021	3
15/380	AC115J	46330	AT115J	46334	9.0/255	1
18/460	AC118J	46336	AT118J	46340	16.0/454	1
24/610	AC124J	46342	—	—	27.0/765	1

Knurls for AC and AT wrenches



Size "/mm	AC Cat. No.	AT Cat. No.	N/S No.	oz/g	Shelf Pack
4/100	AC14K	AT14K	46173	2.0/57	3
6/150	AC16K	AT16K	46185	3.0/85	3
8/200	AC18K	AT18K	46198	4.0/113	3
10/250	AC110K	AT110K	46308	6.5/184	3
12/300	AC112K	AT112K	46322	10.5/298	3
15/380	AC115K	AT115K	46331	2.0/57	1
18/460	AC118K	AT118K	46337	3.0/85	1
24/610	AC124K	—	46343	4.0/113	1

Pins and springs for AC and AT wrenches



Size "/mm	AC Cat. No.	AT Cat. No.	N/S No.	oz/g	Shelf Pack
4/100	AC14P-S	AT14P-S	46174	2.0/57	3
6/150	AC16P-S	AT16P-S	46186	2.0/57	3
8/200	AC18P-S	AT18P-S	46199	3.0/85	3
10/250	AC110P-S	AT110P-S	46309	3.0/85	3
12/300	AC112P-S	AT112P-S	46323	5.5/156	3
15/380	AC115P-S	AT115P-S	46332	6.0/170	1
18/460	AC118P-S	AT118P-S	46338	7.0/198	1
24/610	AC124P-S	—	46344	8.5/241	1

Repair parts assortments

The assortments come in boxes which have separate compartments for each of the five sizes of parts.

Box size: 7¼ x 5¼ x 1⅝" / 184 x 133 x 47mm with hinged cover.

Shipping weight: 2.9 lbs/1 162 g.

RP-AC Parts for Crescent chromium plated wrenches will fit "AC" style wrenches.

Cat. No.	N/S No.	Contents:			Shelf Pack
RP-AC	46151	2xAC14J	2xAC14K	2xAC14P-S	1
		3xAC16J	3xAC16K	3xAC16P-S	1
		3xAC18J	3xAC18K	3xAC18P-S	1
		3xAC110J	3xAC110K	3xAC110P-S	1
		3xAC112J	3xAC112K	3xAC112P-S	1

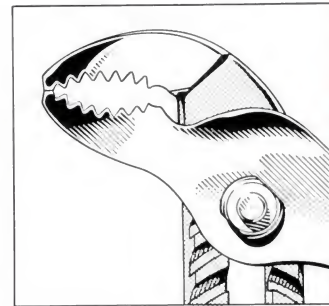
RP-AT Parts for Crescent "AT" style wrenches. Jaws are black, knurls and pins are plated.

Cat. No.	N/S No.	Contents:			Shelf Pack
RP-AT	46152	2xAT14J	2xAT14K	2xAT14P-S	1
		3xAT16J	3xAT16K	3xAT16P-S	1
		3xAT18J	3xAT18K	3xAT18P-S	1
		3xAT110J	3xAT110K	3xAT110P-S	1
		3xAT112J	3xAT112K	3xAT112P-S	1

Crescent tongue and groove pliers

Versatile utility pliers, ideal for objects of all shapes, including rods, pipes, hose and cable connections and many other mechanical devices. Drop-forged, precision machined from the finest quality tool steel. Hardened, tempered, polished. Heavy duty nut and bolt joint. Self-locking jaw opening adjustment. Long handles give powerful leverage. Fibre-impregnated plastisol grips provide a sure grip under any conditions.

Precision Milling: Ribs are precision milled to assure a smooth, positive interlock between the two halves plus heavy duty nut and bolt results in safe, sure action with no chance of halves separating or jumping out of grooves.



Straight jaws



Cat. No.	N/S No.	Length " /mm	Width " /mm	No. of jaw positions	oz/g	Shelf Pack
R27	46257	7/178	1 1/8/28	4	5.92/168	6
R27V	46258					
R27C	46259	7/178	1 1/8/28	4	7.04/200	6
R27CV	46260					
R210	46365	10/250	1 1/2/38	5	13.92/395	6
R210V	46366					
R210C	46367	10/250	1 1/2/38	5	15.04/426	6
R210CV	46368					
R212	46370	12/300	2 3/8/60	6	28.96/821	6
R212V	46371					3
R212C	46372	12/300	2 3/8/60	6	29.92/848	6
R212CV	46373					
R214C	46374	14/350	3 1/4/82	8	34.08/966	1
R220	46701	10/250	2 1/8/54	7	15.36/435	6
R220C	46703	10/250	2 1/8/54	7	15.36/435	6
R220CV	46704					

R27 and R210 conform to U.S. Fed. Spec. GGG-P-471C, Type II, Class 1, Style A.

Curved jaws



Cat. No.	N/S No.	Length " /mm	Width " /mm	No. of jaw positions	oz/g	Shelf Pack
R410	46467	10/250	1 1/2/38	5	12.00/340	6
R410V	46468					
R410C	46469	10/250	1 1/2/38	5	13.92/395	6
R410CV	46470					
R414C	46475	14/350	3 1/4/82	8	34.08/966	1

For replacement bolts and nuts for pliers, see price list, cat. nos. PBN 5, 6, 10, 27, 210, 212.

Slip joint pliers

Drop-forged from carbon steel and accurately machined for best gripping and turning of round objects such as pipes, rods, studs, pins and connections. Although an all purpose tool they are available in thin nose, bent nose and heavy duty sizes as well as the regular combination series.

Cee Tee Co.® combination



Drop-forged steel, hardened and tempered.
Bright plated finish. Milled gripping teeth. Wire cutter. Knurled handles.

Cat. No.	N/S No.	Length "/mm	Jaw Width "/mm	Weight oz/g	Shelf Pack
H26	46248	6/150	1/25	8.00/227	12
H26V	46768				
H28	46264	8/200	1 1/4/32	9.60/272	12
H28V	46767				

Motor kit® combination



Polished steel, chromium plated. Milled gripping teeth. Wire cutter. Knurled handles.

Cat. No.	N/S No.	Length "/mm	Jaw Width "/mm	Weight oz/g	Shelf Pack
G25	46240	5/125	3/4/19	4.00/113	6
G25V	46241				
G26	46246	6/150	1/25	8.00/227	6
G26V	46247				
G28	46262	8/200	1 1/4/32	9.28/263	6
G28V	46263				
G210	46361	10/250	1 1/2/38	16.00/454	6
G210V	46362				3

Thin straight nose combination

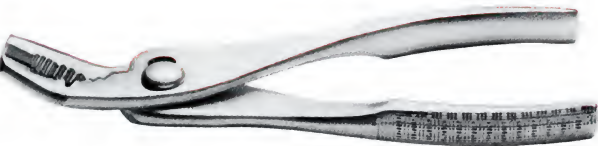


Polished steel, chromium plated. Thin nose for use in tight places. Wire cutter. Milled gripping teeth. Knurled handles.

Cat. No.	N/S No.	Length "/mm	Jaw Width "/mm	Weight oz/g	Shelf Pack
L25	46243	5/125	3/4/19	4.00/113	6
L25V	46244				
L26	46251	6/150	1/25	6.40/181	6
L26V	46252				
L28	46265	8/200	1 1/4/32	8.64/245	6
L28V	46266				

Conforms to U.S. Fed. Spec. GGG-P-471C, Type II, Class 2, Style B.

Thin bent nose combination



30° angle nose. Polished steel, chromium plated. Milled gripping teeth. Wire cutter. Knurled handles.

Cat. No.	N/S No.	Length "/mm	Jaw Width "/mm	Weight oz/g	Shelf Pack
J26	46249	6/150	1/25	7.04/200	6
J26V	46250				

Conforms to Fed. Spec. GGG-P-471C, Type II Class 3, Style B.

Slip joint, side cutting



Polished steel, chromium plated. Side cutting wire cutter. Knurled handles. Milled gripping teeth.

Cat. No.	N/S No.	Length "/mm	Nose "/mm	Weight oz/g	Shelf Pack
LS26	46253	6/150	1/25	7.04/200	6
LS26V	46254				

Slip joint, side cutter



For heavy duty use. Polished head, black handles. Flush bolt. Milled gripping teeth. $\frac{3}{8}$ in. induction hardened wire cutter.

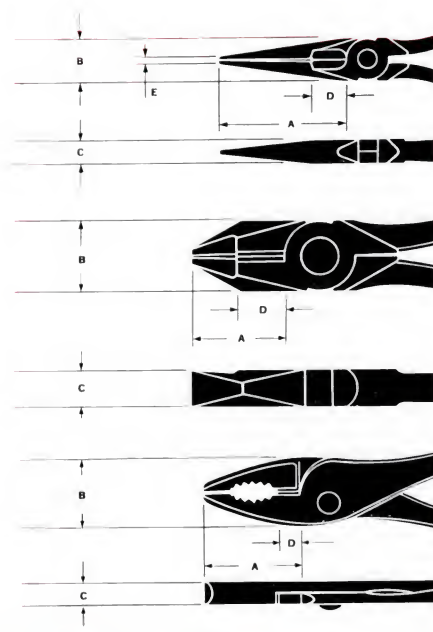
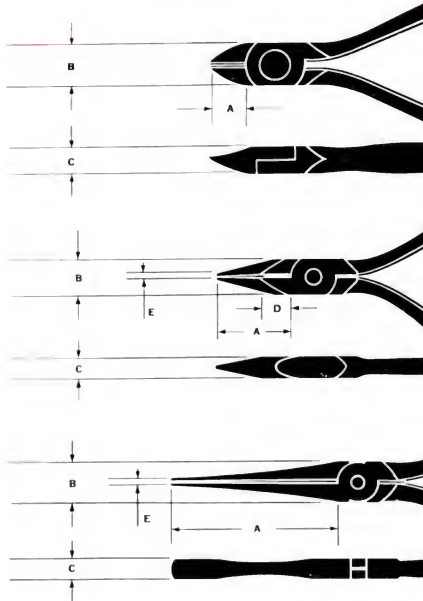
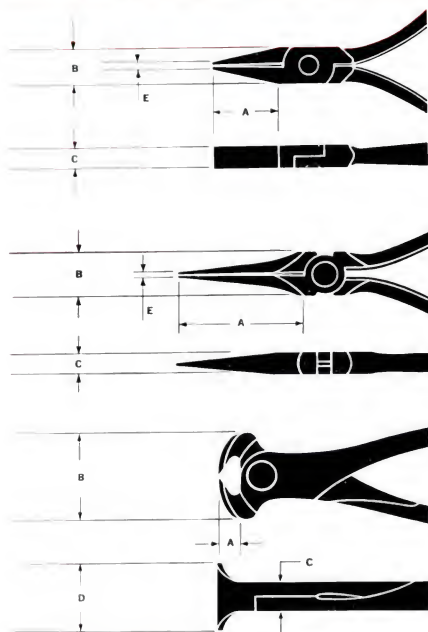
Cat. No.	N/S No.	Length "/mm	Nose "/mm	Weight oz/g	Shelf Pack
923-7	46541	7/175	1 $\frac{1}{2}$ /38	10.40/295	6

For slip joint pliers replacement nuts and bolts, see price list, cat. nos. PBN 5, 6, 10, 27, 210, 212.

Reference drawings for tool dimensions

Shown here are nine different types of "Crescent" pliers. To obtain exact dimensions on any pliers listed in this catalog, compare letters appearing in dimension line under pliers in question, with key provided here. In every instance, dimensions will appear under same letter.

- (A) nose length
- (B) nose width
- (C) maximum thickness
- (D) cutter length
- (E) point dimensions



Beveled inside edges to guard against nicking or marring wire are standard on all Crescent long and chain nose pliers.

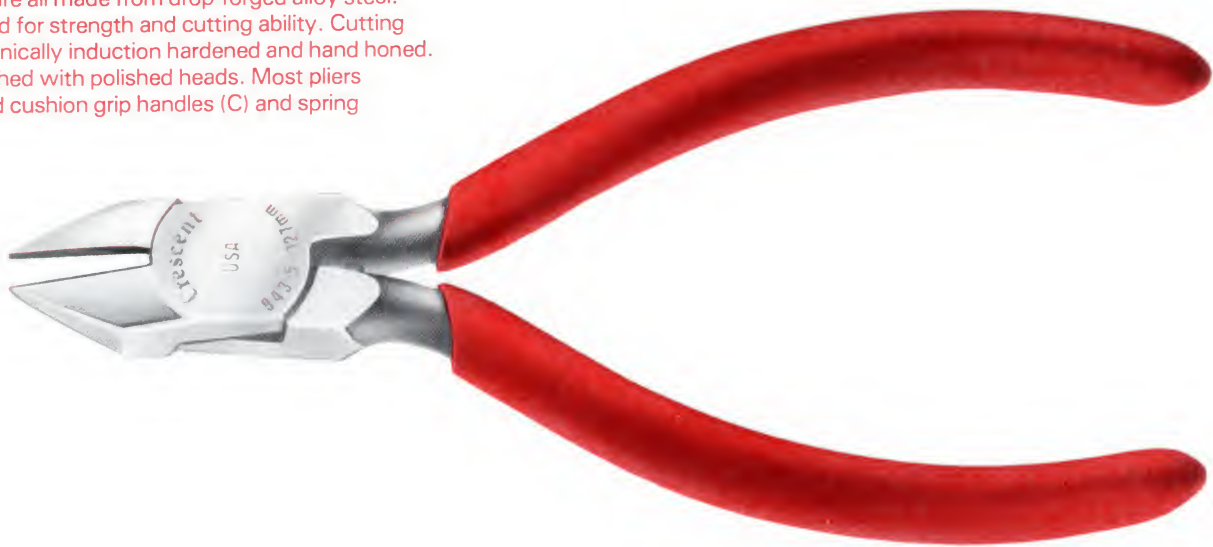
Cutting edges on Crescent cutting pliers are electronically induction hardened and hand honed. Nothing is left to chance, each is tested and inspected to ensure cutting ease and long cutting life.

Coil springs added between the handles keep the pliers handle in an open position reducing operator fatigue and speeding assembly-line production.



Solid joint pliers

Solid joint pliers are all made from drop-forged alloy steel. Individually tested for strength and cutting ability. Cutting edges are electronically induction hardened and hand honed. All pliers are finished with polished heads. Most pliers available with red cushion grip handles (C) and spring opening (S).



Short nose diagonal



Short nose for greater leverage and cutting at close quarters.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	oz/g	Shelf Pack
940-6	46543	6/150	$\frac{9}{16}/14$	$\frac{11}{16}/17$	$\frac{7}{16}/11$	6.88/195	6
940-6C	46544	6/150	$\frac{9}{16}/14$	$\frac{11}{16}/17$	$\frac{7}{16}/11$	6.88/195	6
940-6SC	46545	6/150	$\frac{9}{16}/14$	$\frac{11}{16}/17$	$\frac{7}{16}/11$	6.88/195	6

Conforms to Fed. Spec. GGG-P-471C, Type IV, Class 2.

Midget semi-flush cutting



Fine tapered nose. Semi-flush or full-flush cutting edges.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	oz/g	Shelf Pack
941-4SC	46546	4/100	$\frac{13}{32}/12$	$\frac{7}{16}/11$	$\frac{1}{4}/6$	2.88/82	6
941-4SCE	46548	4/100	$\frac{13}{32}/12$	$\frac{7}{16}/11$	$\frac{1}{4}/6$	2.88/82	6

Stainless steel diagonal cutting



Cutting edges machine ground to achieve a precise angle for continuous snap cutting. Designed for cutting and trimming circuit boards and lead wires on capacitors, resistors and other electronic components.

Maximum Cutting Specifications:

Soft, non-ferrous wire: .032" diameter

Half hard non-ferrous wire: .020" diameter

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
200SCEB	46359	4/100	$\frac{13}{32}/12$	$\frac{7}{16}/11$	$\frac{7}{32}/6$	$\frac{9}{32}/7$	2.72/77	6

Midget and standard diagonal



Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	oz/g	Shelf Pack
Round joint design							
942-4	46550	4/100	1/13	7/11	1/6	2.88/82	6
942-4C	46551	4/100	1/13	7/11	1/6	3.04/86	6
942-4CV	46552	4/100	1/13	7/11	1/6	2.88/82	6
942-4SC	46553	4/100	1/13	7/11	1/6	2.88/82	6
942-41/2SC	46555	4 1/2/113	1 1/8/17	1 1/2/12	1 1/2/9	4.00/113	6
Square joint design							
942-5	46557	5/125	1 1/8/17	3/8/14	3/8/10	4.00/113	6
942-5C	46559	5/125	1 1/8/17	3/8/14	3/8/10	4.00/113	6
942-5CV	46560	5/125	1 1/8/17	3/8/14	3/8/10	4.48/127	6
942-5SC	46561	5/125	1 1/8/17	3/8/14	3/8/10	4.48/127	6
942-6	46563	6/150	3/2/21	1 1/8/17	7/8/11	5.92/168	6
942-6V	46565	6/150	3/2/21	1 1/8/17	7/8/11	5.92/168	6
942-6C	46566	6/150	3/2/21	1 1/8/17	7/8/11	5.92/168	6
942-6I	46564	6/150	3/2/21	1 1/8/17	7/8/11	5.92/168	6
942-6CV	46567	6/150	3/2/21	1 1/8/17	7/8/11	5.92/168	6
942-6SC	46568	6/150	3/2/21	1 1/8/17	7/8/11	5.92/168	6

Conforms to U.S. Fed. Spec. GGG-P-00468, Type I, Class 1.

Diagonal full-flush cutting



Tapered nose with back clearance for use in confined areas. Full flush edges with back taper at extreme tip. Ideal for printed circuit and other electronic applications.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	oz/g	Shelf Pack
946-4 1/2SCE	46571	4 1/2/113	1 1/8/17	1 1/2/12	1 1/2/9	4.00/113	6

Diagonal cutting



Full flush edges with back clearance. Very fine tapered nose with back taper at extreme tip for close cutting No. 24 gauge (.020" dia.) and smaller soft copper wire. Ideal for delicate electronic circuitry work.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
951-4SCE	46573	4/100	1 1/2/12	7/8/11	1/6	1 3/4/10	2.88/82	6

Special slim nose diagonal



Designed for tip cutting in close quarters. Semi-flush cutting edges.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
943-5SC	46569	5/125	1 1/8/17	3/8/16	3/8/10	1 1/8/17	4.48/127	6

Heavy diagonal cutting



Powerful cutting pliers. Full fashioned handles for maximum leverage. Will cut BX armored cable.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	oz/g	Shelf Pack
742-7	46519	7/175	3/19	5/22	1/13	10.80/306	6
742-7C	46520	7/175	3/19	5/22	1/13	10.80/306	6

Conforms to U.S. Fed. Spec. GGG-P-00468, Type I, Class 1.

Heavy duty diagonal cutting



Designed for cutting heavy wire. Long lasting cutting edges. Handle designed for comfortable grip.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	oz/g	Shelf Pack
542-7	46478	7/175	3 1/2/20	1 3/2/31	7/8/11	8.96/254	6
542-7V	46479						
542-7I	46690						
542-7C	46480	7/175	3 1/2/20	1 3/2/31	7/8/11	8.96/254	6
542-7CV	46481						
542-8	46482	8/200	1 3/8/20	1 3/2/31	1/13	12.00/340	6
542-8C	46483	8/200	1 3/8/20	1 3/2/31	1/13	12.00/340	6
542-8I	46860						

Conforms to U.S. Fed. Spec. GGG-P-00468, Type III.

Long chain nose side cutting



Long nose reaches into tight places. Fine serrated jaws.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	E "/mm	oz/g	Shelf Pack
654-5 1/2	46496	5 1/2/140	1 1/4/44	1 1/2/13	3/2/7	1 1/2/10	1/8/1 dia	4.00/113	6
654-5 1/2 SC	46497	5 1/2/140	1 1/4/44	1 1/2/13	3/2/7	1 1/2/10	1/8/1 dia	4.00/113	6
654-6	46499	6/150	1 1/8/48	1 1/8/17	3/8/10	1/13	3/2 x 3/2/2x2	6.08/172	6
654-6V	46500								
654-6I	46691								
654-6C	46501	6/150	1 1/8/48	1 1/8/17	3/8/10	1/13	3/2 x 3/2/2x2	6.08/172	6
654-6CV	46502								
654-6SC	46503	6/150	1 1/8/48	1 1/8/17	3/8/10	1/13	3/2 x 3/2/2x2	6.08/172	6
654-7	46504	7/175	2 1/2/67	3/4/19	3/8/10	1/13	5/2 x 3/2/4x2	7.04/200	6
654-7V	46505								
654-7I	46692								
654-7C	46506	7/175	2 1/2/67	3/4/19	3/8/10	1/13	5/2 x 3/2/4x2	7.04/200	6
654-7CV	46507								
654-7SC	46508	7/175	2 1/2/67	3/4/19	3/8/10	1/13	5/2 x 3/2/4x2	8.64/245	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type XI, Class 1, Style A.

Midget chain nose

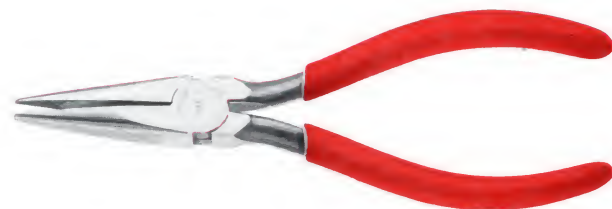


Slim, streamlined pliers with fine serrations or plain jaws. Excellent for miniature electronic work. For plain jaws specify "P."

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	E "/mm	oz/g	Shelf Pack
25-4 1/2 SC	46236	4 1/2/114	1 3/2/28	1/8/11	1/6	.046 x 1/8/1x1	3.20/91	6
25-4 1/2 SCP	46238	4 1/2/114	1 3/2/28	1/8/11	1/6	.046 x 1/8/1x1	3.20/91	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type XI, Class 1, Style B.

Long chain nose



Makes loops and bends of various size wire. Ideal for radio, telephone and other electronic work. Long nose reaches into tight places. Fine serrated jaws.

Cat. No.	N/S No.	←L→ "/mm	A "/mm	B "/mm	C "/mm	E "/mm	oz/g	Shelf Pack
1033-5 $\frac{1}{2}$ SC	46579	5 $\frac{1}{2}$ /140	1 $\frac{3}{4}$ /44	1 $\frac{1}{2}$ /13	$\frac{3}{8}$ /7	$\frac{1}{8}$ /1 dia	4.48/127	6
1033-6	46581	6/150	1 $\frac{3}{8}$ /48	1 $\frac{1}{8}$ /17	$\frac{3}{8}$ /10	$\frac{3}{8}$ /2	5.92/168	6
1033-6V	46582							
1033-6C	46583	6/150	1 $\frac{3}{8}$ /48	1 $\frac{1}{8}$ /17	$\frac{3}{8}$ /10	$\frac{3}{8}$ /2	5.92/168	6
1033-6CV	46584							
1033-6SC	46585	6/150	1 $\frac{3}{8}$ /48	1 $\frac{1}{8}$ /17	$\frac{3}{8}$ /10	$\frac{3}{8}$ /2	6.08/172	6
1033-7	46586	7/175	2 $\frac{1}{2}$ /67	$\frac{3}{4}$ /19	$\frac{3}{8}$ /10	$\frac{5}{32}$ x $\frac{3}{32}$ /4x2	7.04/200	6
1033-7C	46588	7/175	2 $\frac{1}{2}$ /67	$\frac{3}{4}$ /19	$\frac{3}{8}$ /10	$\frac{5}{32}$ x $\frac{3}{32}$ /4x2	7.04/200	6
1033-7CV	46589							
1033-7SC	46590	7/175	2 $\frac{1}{2}$ /67	$\frac{3}{4}$ /19	$\frac{3}{8}$ /10	$\frac{5}{32}$ x $\frac{3}{32}$ /4x2	7.04/200	6

Short chain nose



Designed for fine, close electrical and mechanical work. Ideal for electricians, jewelers, opticians and hobbyists. Serrated jaws.

Cat. No.	N/S No.	←L→ "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
22-4SC	46226	4/100	1 $\frac{1}{8}$ /27	$\frac{3}{8}$ /12	$\frac{1}{4}$ /6	.046x $\frac{3}{8}$ /1x1	3.04/86	6
22-5	46228	5/125	1 $\frac{5}{16}$ /29	$\frac{1}{2}$ /13	$\frac{5}{16}$ /8	$\frac{1}{8}$ /1 dia	3.52/100	6
22-5C	46231	5/125	1 $\frac{5}{16}$ /29	$\frac{1}{2}$ /13	$\frac{5}{16}$ /8	$\frac{1}{8}$ /1 dia	3.52/100	6
22-5CV	46231							
22-5SC	46232	5/125	1 $\frac{5}{16}$ /29	$\frac{1}{2}$ /13	$\frac{5}{16}$ /8	$\frac{1}{8}$ /1 dia	4.00/113	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type XI, Class 2, Style B.

Short chain nose side cutting



Short nose ground to fine point. Fine serrations.

Cat. No.	N/S No.	←L→ "/mm	A "/mm	B "/mm	C "/mm	D "/mm	E "/mm	oz/g	Shelf Pack
622-5	46486	5/125	1 $\frac{5}{16}$ /29	$\frac{3}{8}$ /14	$\frac{1}{2}$ /9	$\frac{1}{2}$ /10	$\frac{3}{32}$ x $\frac{5}{32}$ /2x4	4.00/113	6
622-5C	46488	5/125	1 $\frac{5}{16}$ /29	$\frac{3}{8}$ /14	$\frac{1}{2}$ /9	$\frac{1}{2}$ /10	$\frac{3}{32}$ x $\frac{5}{32}$ /2x4	4.00/113	6
622-5CV	46489								
622-5SC	46490	5/125	1 $\frac{5}{16}$ /29	$\frac{3}{8}$ /14	$\frac{1}{2}$ /9	$\frac{1}{2}$ /10	$\frac{3}{32}$ x $\frac{5}{32}$ /2x4	4.00/113	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type XI, Class 2, Style A.

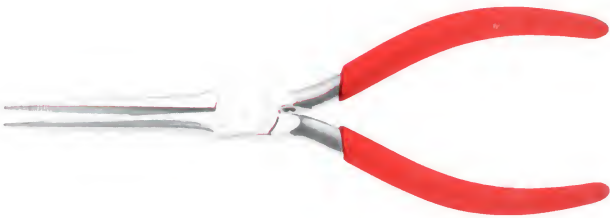
Very fine needle nose



Fine serrations on jaws. Slightly beveled inside edges.

Cat. No.	N/S No.	←L→ "/mm	A "/mm	B "/mm	C "/mm	E "/mm	oz/g	Shelf Pack
665-5 $\frac{1}{2}$ SC	46509	5 $\frac{1}{2}$ /140	1 $\frac{1}{8}$ /46	$\frac{1}{2}$ /12	$\frac{1}{4}$ /6	.072/1.829 dia	3.36/95	6

Extra thin long needle nose



Spring tempered jaws, precision machined to $\frac{1}{16}$ " / 1.58mm at extreme tip. $4\frac{1}{2}$ " / 114mm size available with plain jaws only. 6" / 152mm size available with serrated jaws only. Slightly beveled inside edges.

Cat. No.	N/S No.	Overall Length "/mm	A "/mm	B "/mm	C "/mm	E "/mm	oz/g	Shelf Pack
666-4 $\frac{1}{2}$ SCP	46511	4 $\frac{1}{2}$ /114	1 $\frac{3}{4}$ /28	$\frac{7}{8}$ /11	$\frac{1}{4}$ /6	.046x $\frac{1}{8}$ /1x1	3.36/95	6
666-6	46513	6/150	2 $\frac{1}{4}$ /57	$\frac{1}{2}$ /12	$\frac{1}{4}$ /6	$\frac{1}{8}$ dia/1	4.00/113	6
666-6C	46515							
666-6CV	46516	6/150	2 $\frac{1}{4}$ /57	$\frac{1}{2}$ /12	$\frac{1}{4}$ /6	$\frac{1}{8}$ dia/1	4.00/113	6
666-6SC	46517	6/150	2 $\frac{1}{4}$ /57	$\frac{1}{2}$ /12	$\frac{1}{4}$ /6	$\frac{1}{8}$ dia/1	4.00/113	6

Long needle nose



Long thin nose has excellent gripping ability for use in tight, narrow places.

Cat. No.	N/S No.	Overall Length "/mm	A "/mm	B "/mm	C "/mm	E "/mm	oz/g	Shelf Pack
777-6	46528							
777-6V	46529	6/150	2 $\frac{1}{8}$ /52	$\frac{1}{8}$ /17	$\frac{1}{2}$ /9	$\frac{1}{8}$ x $\frac{3}{32}$ /3x2	4.00/113	6
777-6C	46530							
777-6CV	46531	6/150	2 $\frac{1}{8}$ /52	$\frac{1}{8}$ /17	$\frac{1}{2}$ /9	$\frac{1}{8}$ x $\frac{3}{32}$ /3x2	4.00/113	6
777-6SC	46532	6/150	2 $\frac{1}{8}$ /52	$\frac{1}{8}$ /17	$\frac{1}{2}$ /9	$\frac{1}{8}$ x $\frac{3}{32}$ /3x2	4.96/141	6
777-7	46533							
777-7V	46534	7/175	2 $\frac{1}{8}$ /68	$\frac{1}{8}$ /17	$\frac{5}{8}$ /8	$\frac{5}{32}$ x $\frac{3}{32}$ /4x2	6.24/177	6
777-7C	46535							
777-7CV	46536	7/175	2 $\frac{1}{8}$ /68	$\frac{1}{8}$ /17	$\frac{5}{8}$ /8	$\frac{5}{32}$ x $\frac{3}{32}$ /4x2	6.24/177	6
777-7SC	46537	7/175	2 $\frac{1}{8}$ /68	$\frac{1}{8}$ /17	$\frac{5}{8}$ /8	$\frac{5}{32}$ x $\frac{3}{32}$ /4x2	6.40/181	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type XII, Class 2, Style A.

Curved needle nose



Thin bent nose for working in out-of-the-way corners. Tempered jaws, will not break off, always returns to normal when pressure is released.

Cat. No.	N/S No.	Overall Length "/mm	A "/mm	B "/mm	C "/mm	E "/mm	oz/g	Shelf Pack
888-6	46538	6/150	1/25	$\frac{1}{8}$ /17	$\frac{3}{8}$ /10	$\frac{3}{32}$ /2	6.72/191	6
888-6C	46539	6/150	1/25	$\frac{1}{8}$ /17	$\frac{3}{8}$ /10	$\frac{3}{32}$ /2	6.72/191	6
888-6SC	46540	6/150	1/25	$\frac{1}{8}$ /17	$\frac{3}{8}$ /10	$\frac{3}{32}$ /2	6.72/191	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type XIII, Class 1.

Tip cutter wiring



For delicate, intricate assembly work. Finely serrated tips will not mar or nick wire. Cutting edges near tip for snap cutting the finest solid or stranded copper wire.

Cat. No.	N/S No.	Overall Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	E "/mm	oz/g	Shelf Pack
775-4 $\frac{1}{2}$ SC	46521	4 $\frac{1}{2}$ /114	1 $\frac{3}{4}$ /28	$\frac{7}{8}$ /11	$\frac{1}{4}$ /6	$\frac{5}{32}$ /4	$\frac{3}{8}$ x $\frac{3}{32}$ /1x2	2.72/77	6

Short nose tip cutting



30° angle tip cutter with semi-flush edge for cutting in restricted areas in electronic components and for trimming printed circuit boards.

Cat. No.	N/S No.	←→ "/mm	A "/mm	B "/mm	C "/mm	D "/mm	E "/mm	oz/g	Shelf Pack
27-4½SC	46255	4½/114	1/25	⅞/11	¼/6	⅞/6	—	3.20/91	6

Round nose wire loop



Both sides of nose are carefully rounded. Precision ground to small point. Useful for looping and forming fine wire.

Cat. No.	N/S No.	←→ "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
21-4½SC	46220	4½/114	⅞/22	⅞/12	⅞/6	⅞/1	3.20/91	6
21-6	46222	6/150	1⅞/35	⅞/16	⅞/10	⅞/2	5.12/146	6
21-6C	46223	6/150	1⅞/35	⅞/16	⅞/10	⅞/2	4.45/126	6
21-6CV	46224	6/150	1⅞/35	⅞/16	⅞/10	⅞/2	5.12/145	6
21-6SC	46225	6/150	1⅞/35	⅞/16	⅞/10	⅞/2	5.12/145	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type X.

Short flat nose



Light pliers for fine work. Plain jaws.

Cat. No.	N/S No.	←→ "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
20-4½SCP	46218	4½/114	1⅞/28	⅞/11	¼/6	⅞×¼/1x6	3.36/95	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type V, Class 1.

Duck bill

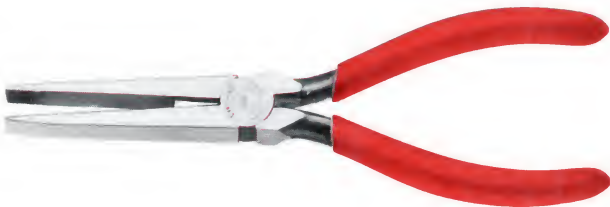


The long thin jaws will reach into narrow places. Plain jaws.

Cat. No.	N/S No.	←→ "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
23-7	46233	7/175	2⅞/68	⅞/17	⅞/9	⅞×⅞/2x9	6.08/172	6
23-7C	46234	7/175	2⅞/68	⅞/17	⅞/9	⅞×⅞/2x9	6.08/172	6
23-7SC	46235	7/175	2⅞/68	⅞/17	⅞/9	⅞×⅞/2x9	6.08/172	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type XV, Class 1 and 2.

Long flat nose



Long and thin, flat nose and keen cutting edge. Ideal for automobile radiator repair and textile knitting machine work.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	E "/mm	oz/g	Shelf Pack
650-7	46491	7/175	2 9/16/65	1 1/8/17	3/8/10	1/2/13	1 1/8 x 3/8/1x10	7.36/209	6
650-7C	46493	7/175	2 9/16/65	1 1/8/17	3/8/10	1/2/13	1 1/8 x 3/8/1x10	7.36/209	6
650-7CV	46494								

Conforms to U.S. Fed. Spec. GGG-P-471d, Type V, Class 3, Style B.

Lineman's pliers

Solid joint lineman's pliers are made of drop-forged steel with polished heads and gun metal handles. Durable, keen cutting edges. Available with either red cushion grips or Tenite grips.

Crescent lineman's pliers can be supplied with insulating grips made of Tenite. Tests have shown this material to be highly suitable for this purpose. It has a high dielectric value and we recommend pliers to which it has been applied to those who have need for insulated tools. Available on all lineman's pliers. Specify the letter "T" after the tool number when ordering (i.e. 50-7T).



Side cutting



A sturdy tool for electrical work. Keen edged cutters and spring tempered handles. For general purpose use.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
50-6	46272	6/150	1 3/4/28	3/8/22	1/2/13	5/16/14	6.40/181	6
50-6V	46273							
50-6C	46274	6/150	1 3/4/28	3/8/22	1/2/13	5/16/14	6.88/195	6
50-6CV	46275							
50-6T	46661	6/150	1 3/4/28	3/8/22	1/2/13	5/16/14	6.88/195	6
50-7	46276	7/175	1 3/4/33	1/2/25	1/2/13	5/16/16	9.44/268	6
50-7V	46277							
50-7C	46278	7/175	1 3/4/33	1/2/25	1/2/13	5/16/16	9.92/281	6
50-7CV	46279							
50-7T	46858	7/175	1 3/4/33	1/2/25	1/2/13	5/16/16	9.92/281	6
50-8	46280	8/200	1 1/2/37	1 1/8/28	5/8/14	3/4/19	12.96/367	6
50-8V	46281							
50-8C	46282	8/200	1 1/2/37	1 1/8/28	5/8/14	3/4/19	13.92/395	6
50-8CV	46283							
50-8T	46859	8/200	1 1/2/37	1 1/8/28	5/8/14	3/4/19	13.92/395	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type IX, Class 1.

Heavy duty side cutting



Designed especially to meet the requirements of linemen. Cuts many gauges of wire.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
1950-6	46595	6/150	1 $\frac{3}{4}$ /28	1/25	$\frac{1}{2}$ /13	$\frac{3}{8}$ /14	8.00/277	6
1950-6C	46597							
1950-6CV	46598	6/150	1 $\frac{3}{4}$ /28	1/25	$\frac{1}{2}$ /13	$\frac{3}{8}$ /14	8.48/240	6
1950-6T	46693	6/150	1 $\frac{3}{4}$ /28	1/25	$\frac{1}{2}$ /13	$\frac{3}{8}$ /14	8.48/240	6
1950-7	46599	7/175	1 $\frac{3}{4}$ /33	1 $\frac{1}{8}$ /29	.520/14	$\frac{1}{8}$ /17	10.40/295	6
1950-7C	46601							
1950-7CV	46602	7/175	1 $\frac{3}{4}$ /33	1 $\frac{1}{8}$ /29	.520/14	$\frac{1}{8}$ /17	10.56/299	6
1950-7T	46664	7/175	1 $\frac{3}{4}$ /33	1 $\frac{1}{8}$ /29	.520/14	$\frac{1}{8}$ /17	10.56/299	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type IX, Class 1.

Heavy duty high leverage side cutting



Designed especially to meet the requirements of linemen. Cuts many gauges of wire.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
1950-8	46603							
1950-8V	46604	8/200	1 $\frac{1}{2}$ /38	1/29	$\frac{5}{8}$ /16	$\frac{3}{4}$ /19	15.04/426	6
1950-8C	46605							
1950-8CV	46606	8/200	1 $\frac{1}{2}$ /38	1/29	$\frac{5}{8}$ /16	$\frac{3}{4}$ /19	15.04/426	6
1950-8T	46665							
1950-8I	46607	8/200	1 $\frac{1}{2}$ /38	1/29	$\frac{5}{8}$ /16	$\frac{3}{4}$ /19	15.04/426	6

Conforms to U.S. Fed. Spec. GGG-P-471d, Type IX, Class 1.

Lineman's high leverage



Streamlined head — slides easily in and out of belt loops. Cutters are hand honed so that they cut cleanly and stay sharp.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
2050-9	46608	9/225	1 $\frac{3}{8}$ /40	1 $\frac{3}{4}$ /33	$\frac{5}{8}$ /16	$\frac{1}{2}$ /21	18.72/531	6
2050-9C	46609							
2050-9CV	46825	9/225	1 $\frac{3}{8}$ /40	1 $\frac{3}{4}$ /33	$\frac{5}{8}$ /16	$\frac{1}{2}$ /21	19.04/540	6
2050-9T	46666	9/225	1 $\frac{3}{8}$ /40	1 $\frac{3}{4}$ /33	$\frac{5}{8}$ /16	$\frac{1}{2}$ /21	19.04/540	6

Lineman's high leverage round nose



Streamlined design. Slides freely in and out of belt loops. Light in weight without sacrificing strength. Hand honed edges cut cleanly and retain sharpness.

Cat. No.	N/S No.	Length "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
2150-8	46627	8/200	1 $\frac{7}{8}$ /37	1 $\frac{3}{8}$ /30	$\frac{5}{8}$ /16	$\frac{3}{4}$ /19	18.08/513	6
2150-8C	46628	8/200	1 $\frac{7}{8}$ /37	1 $\frac{3}{8}$ /30	$\frac{5}{8}$ /16	$\frac{3}{4}$ /19	18.08/513	6
2150-8T	46667	8/200	1 $\frac{7}{8}$ /37	1 $\frac{3}{8}$ /30	$\frac{5}{8}$ /16	$\frac{3}{4}$ /19	18.08/513	6

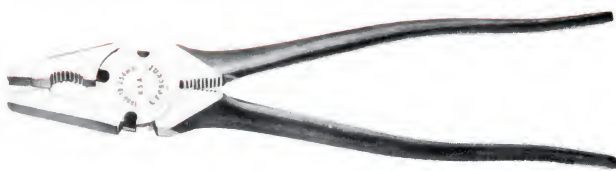
Universal cutting



A tool for general use. Has a flat nose with teeth for gripping. Keen side cutter. Pipe grip in nose.

Cat. No.	N/S No.	←→ "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
3800-6	46668	6/150	1 $\frac{1}{2}$ /34	$\frac{3}{8}$ /22	$\frac{1}{2}$ /12	$\frac{7}{8}$ /11	8.00/227	6
3800-6C	46669	6/150	1 $\frac{1}{2}$ /34	$\frac{3}{8}$ /22	$\frac{1}{2}$ /12	$\frac{7}{8}$ /11	8.48/240	6
3800-6T	46670	6/150	1 $\frac{1}{2}$ /34	$\frac{3}{8}$ /22	$\frac{1}{2}$ /12	$\frac{7}{8}$ /11	9.33/265	6
3800-7	46671	7/175	1 $\frac{1}{2}$ /39	1/25	$\frac{1}{2}$ /13	$\frac{1}{2}$ /13	10.72/304	6
3800-7C	46672	7/175	1 $\frac{1}{2}$ /39	1/25	$\frac{1}{2}$ /13	$\frac{1}{2}$ /13	10.72/304	6
3800-7T	46861	7/175	1 $\frac{1}{2}$ /39	1/25	$\frac{1}{2}$ /13	$\frac{1}{2}$ /13	12.00/340	6
3800-8	46674	8/200	1 $\frac{3}{4}$ /44	1 $\frac{1}{8}$ /27	$\frac{1}{2}$ /13	$\frac{7}{8}$ /14	14.40/408	6
3800-8C	46675	8/200	1 $\frac{3}{4}$ /44	1 $\frac{1}{8}$ /27	$\frac{1}{2}$ /13	$\frac{7}{8}$ /14	15.04/426	6
3800-8T	46862	8/200	1 $\frac{3}{4}$ /44	1 $\frac{1}{8}$ /27	$\frac{1}{2}$ /13	$\frac{7}{8}$ /14	15.36/435	6

Button pliers fence tool



Flat nose style, with three wire cutters, pipe grip and teeth in extreme tip of nose. Excellent for construction and maintenance of wire fencing.

Cat. No.	N/S No.	←→ "/mm	A "/mm	B "/mm	C "/mm	oz/g	Shelf Pack
1000-8	46575	8/200	1 $\frac{3}{8}$ /33	1 $\frac{3}{8}$ /35	$\frac{3}{8}$ /14	15.04/426	6
1000-10	46576	10/250	1 $\frac{1}{2}$ /38	1 $\frac{7}{8}$ /37	$\frac{3}{8}$ /16	20.64/585	6
1000-12	46577	12/300	1 $\frac{1}{2}$ /38	1 $\frac{3}{4}$ /40	$\frac{1}{2}$ /17	32.96/934	6

Heavy duty fence tool



Has corrugated hammer head, two wire cutters, two staple grips in nose and wire grip between handles for stretching wire. Heavy prong on head gets in behind rusty staples and pulls them easily. Both wire and staple can be gripped together by special opening in head of tool. Cutter capacity: $\frac{3}{32}$ " / 5.5mm.

Cat. No.	N/S No.	←→ "/mm	A "/mm	B "/mm	C "/mm	oz/g	Shelf Pack
1936-10	46591	10/250	1 $\frac{1}{8}$ /27	3 $\frac{3}{8}$ /91	$\frac{1}{2}$ /15	24.96/708	6
1936-10V	46592						
1936-10C	46593	10/250	1 $\frac{1}{8}$ /27	3 $\frac{3}{8}$ /91	$\frac{1}{2}$ /15	27.04/767	6
1936-10CV	46594						

End cutting nippers

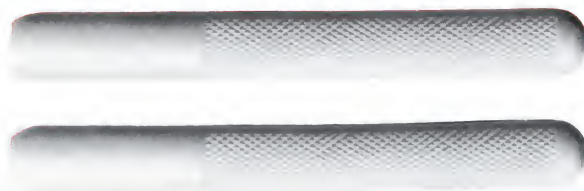


Width of blades, clearance in throat, leverage ratio of handles to blades, size of rivet and angle of cutting edges have been carefully designed to produce a top quality tool.

Cat. No.	N/S No.	←→ "/mm	A "/mm	B "/mm	C "/mm	D "/mm	oz/g	Shelf Pack
72-6	46289	6/150	$\frac{3}{8}$ /10	1 $\frac{7}{8}$ /37	$\frac{1}{2}$ /12	1 $\frac{1}{8}$ /27	8.00/227	6
72-6V	46290							
72-6C	46291	6/150	$\frac{3}{8}$ /10	1 $\frac{7}{8}$ /37	$\frac{1}{2}$ /12	1 $\frac{1}{8}$ /27	8.96/254	6
72-6CV	46292							
72-7	46293	7/175	$\frac{3}{8}$ /10	1 $\frac{3}{4}$ /40	$\frac{1}{2}$ /13	1 $\frac{3}{8}$ /30	12.00/340	6
72-7V	46294							
72-7C	46295	7/175	$\frac{3}{8}$ /10	1 $\frac{3}{4}$ /40	$\frac{1}{2}$ /13	1 $\frac{3}{8}$ /30	12.00/340	6
72-7CV	46296							
72-8	46297	8/200	$\frac{3}{8}$ /10	1 $\frac{3}{4}$ /44	$\frac{1}{2}$ /13	1 $\frac{3}{8}$ /30	16.00/454	6
72-8V	46298							
72-8C	46299	8/200	$\frac{3}{8}$ /10	1 $\frac{3}{4}$ /44	$\frac{1}{2}$ /13	1 $\frac{3}{8}$ /30	16.00/454	6
72-8CV	46300							
72-9	46740	9/225	$\frac{1}{2}$ /11	1 $\frac{7}{8}$ /46	$\frac{1}{2}$ /15	1 $\frac{1}{4}$ /32	16.96/481	6
72-9C	46741	9/225	$\frac{1}{2}$ /11	1 $\frac{7}{8}$ /46	$\frac{1}{2}$ /15	1 $\frac{1}{4}$ /32	16.96/481	6
72-9CV	46766							

Conforms to U.S. Fed. Spec. GGG-N-350A, Type 1, Class 2, Style A.

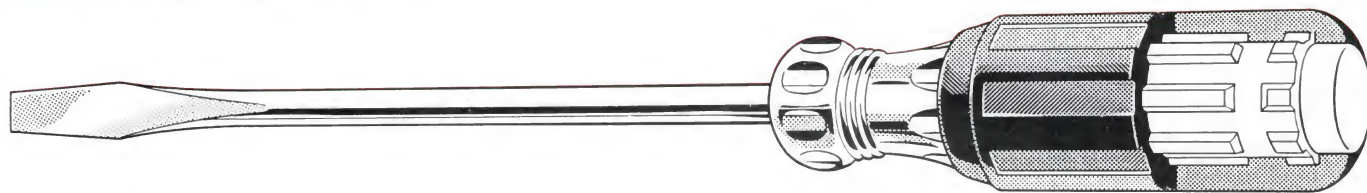
Tenite grips for solid joint lineman's pliers



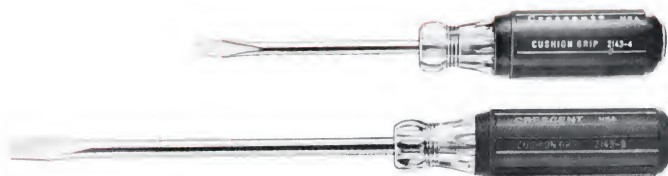
Cat. No.	N/S No.	Length "/mm
6IN	46160	6/150
7IN	46210	7/177
8IN	46164	8/200
9IN	46856	9/225

Cushion grip screwdrivers

Cushion grip handles are made of genuine PVC vinyl and have patented interlocking non-slip grip. Oversized handles assure better grip and more turning power. Heavy duty steel alloy chrome plated blades have precision crossground flats and edges.



Mechanic's round



Cat. No.	N/S No.	Length "/mm	Blade Width "/mm	Blade Length "/mm	Weight oz/g	Shelf Pack
2143-3	46614	3/76	3/8/5.5	6 1/8/160	4.32/122	6
2143-3V	46615					
2143-4	46616	4/100	1/2/6	7 1/4/197	4.48/127	6
2143-4V	46617					
2143-6	46618	6/150	5/8/8	10 1/2/267	6.40/181	6
2143-6V	46619					
2143-8	46620	8/200	3/8/10	13/330	9.60/272	6
2143-8V	46621					
2143-10	46622	10/250	3/8/10	15/381	10.72/304	6
2143-10V	46623					
2143-12	46624	12/300	3/8/10	17/431	11.68/331	6
2143-12V	46626					

Conforms to U.S. Fed. Spec. GGG-S-121d, Type 1, Class 5, Style 1, Design B Shape A, with cushion grip.

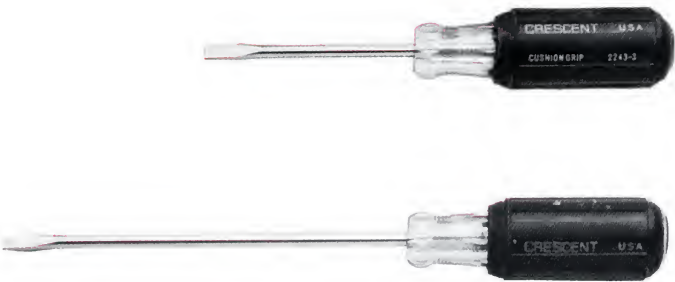
Mechanic's square






Cat. No.	N/S No.	Length "/mm	Blade Width "/mm	Blade Length "/mm	Weight oz/g	Shelf Pack
2343-4	46643	4/100	1/2/6	7 1/4/184	4.48/127	6
2343-4V	46644					
2343-6	46645	6/150	5/8/8	10 1/2/267	4.80/136	6
2343-6V	46646					
2343-8	46647	8/200	3/8/10	13/330	10.93/310	6
2343-8V	46648					
2343-12	46649	12/300	3/8/10	17/431	14.40/408	6

Conforms to U.S. Fed. Spec. GGG-S-121d, Type 1, Class 5, Style 1, Design B, with cushion grip.

Electrician's round






Cat. No.	N/S No.	 /mm	 /mm	 /mm	oz/g	Shelf Pack
2142-4	46610	4/100	1/6	7 3/4/196	4.80/136	6
2142-4V	46611					
2142-6	46612	6/150	1/6	9 3/4/247	5.33/151	6
2142-6V	46613					
2243-3	46629	3/76	3/8/5	6 5/8/160	2.88/82	6
2243-3V	46630					
2243-4	46631	4/100	3/8/5	7 5/8/185	3.20/91	6
2243-4V	46632					
2243-6	46633	6/150	3/8/5	9 1/8/236	3.47/98	6
2243-6V	46634					
2243-8	46635	8/200	3/8/5	11 5/8/287	3.73/106	6
2243-8V	46636					
2243-10	46637	10/250	3/8/5	13 5/8/338	4.00/113	6
2243-10V	46638					

No. 2243 conforms to U.S. Fed. Spec. GGG-S-121 d, Type 1, Class 1, Style 2, Design B, with cushion grip.

Insulated special electrician's






Additional sizes available to order.

Cat. No.	N/S No.	 /mm	 /mm	 /mm	oz/g	Shelf Pack
2401-3	46678	3/76	3/8/5	6 5/8/160	2.33/66	6
2401-4	46679	4/100	1/6	7 3/4/197	3.93/112	6
2401-6	46680	6/150	1/8/8	10 1/2/267	6.31/179	6
2401-8	46681	8/200	3/8/10	13/330	8.98/255	6




Square shank stubby



Cat. No.	N/S No.	 /mm	 /mm	 /mm	oz/g	Shelf Pack
2343-1 1/2	46641	1 1/2/32	1/6	3 3/8/79	2.00/57	6
2343-1 1/2V	46642					

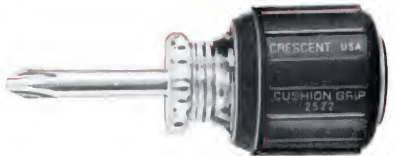
Genuine Phillips






Cat. No.	N/S No.	Point size	 /mm	 /mm	 /mm	oz/g	Shelf Pack
2501	46651	no. 1	3/76	3/8/5	6 5/8/160	2.88/82	6
2501V	46652						
2502	46653	no. 2	4/100	1/6	7 3/4/197	4.80/136	6
2502V	46654						
2503	46655	no. 3	6/150	1/8/8	10 1/2/267	7.20/204	6
2503V	46660						
2504	46656	no. 4	8/200	3/8/10	13/330	11.52/327	6
2504V	46657						

Conforms to U.S. Fed. Spec. GGG-S-121 d, Type VI, Class 1, Style 1, with cushion grip.




Phillips stubby



Cat. No.	N/S No.	Point size	 /mm	 /mm	 /mm	oz/g	Shelf Pack
2522	46658	no. 2	1 1/2/32	1/6	3 3/8/79	2.00/57	6
2522V	46659						

Pozidriv Screwdrivers



Cat. No.	N/S No.	 " /mm	 " /mm	 " /mm	oz/g	Shelf Pack
2701	46864	3/76	$\frac{3}{16}$ /5	6 $\frac{3}{4}$ /162	4.27/121	6
2702	46865	4 $\frac{1}{2}$ /114	$\frac{1}{4}$ /6	8 $\frac{5}{8}$ /135	6.16/175	6
2703	46866	6 $\frac{3}{8}$ /162	$\frac{5}{8}$ /8	11 $\frac{1}{8}$ /289	8.27/234	6
2722	46867	1 $\frac{1}{2}$ /38	$\frac{1}{4}$ /6	3 $\frac{3}{8}$ /84	3.29/93	6

Cushion grip screwdriver pack



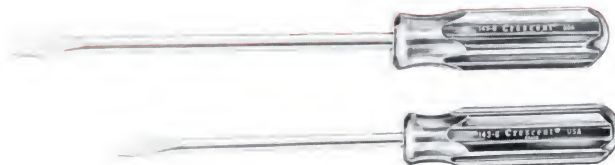
Four popular-sized cushion grip screwdrivers suitable for any job requirement. Packed in an attractive plastic pouch.




Cat. No.	N/S No.	Contents	oz/g	Shelf Pack
270P	46409	2243-6—Electrician's round	19.81/5.63	3
		2143-4—Mechanic's round		
		2143-6—Mechanic's square		
		2502—Genuine Phillips		

Rhino screwdrivers

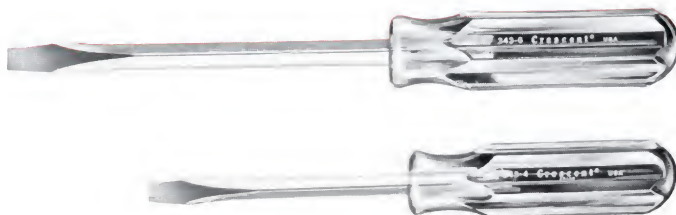
Extruded oversized plastic handle makes for extra torque with maximum comfort. Blades made of tough, long lasting alloy steel. Precision ground.




Mechanic's round



Cat. No.	N/S No.	 " /mm	 " /mm	 " /mm	oz/g	Shelf Pack
143-3	46345	3/76	$\frac{3}{16}$ /5.5	6 $\frac{3}{8}$ /162	2.00/57	6
143-3V	46346					
143-4	46347	4/100	$\frac{1}{4}$ /6	7 $\frac{3}{8}$ /197	3.47/98	6
143-4V	46348					
143-6	46349	6/150	$\frac{5}{16}$ /8	10 $\frac{1}{4}$ /260	5.87/166	6
143-6V	46350					
143-8	46351	8/200	$\frac{3}{8}$ /10	13/330	8.53/242	6
143-8V	46352					
143-10	46353	10/250	$\frac{3}{8}$ /10	15 $\frac{1}{2}$ /395	9.87/280	6
143-10V	46354					
143-12	46355	12/300	$\frac{3}{8}$ /10	17 $\frac{1}{2}$ /444	10.67/302	6




Mechanic's square



Cat. No.	N/S No.	 " /mm	 " /mm	 " /mm	oz/g	Shelf Pack
343-4	46429	4/100	$\frac{1}{4}$ /6	7 $\frac{3}{8}$ /107	3.47/98	6
343-4V	46430					
343-6	46431	6/150	$\frac{5}{16}$ /8	10 $\frac{1}{4}$ /260	6.40/181	6
343-6V	46432					
343-8	46433	8/200	$\frac{3}{8}$ /10	13/330	9.60/272	6
343-8V	46434					
343-12	46435	12/300	$\frac{3}{8}$ /10	17 $\frac{1}{2}$ /438	13.33/378	6
343-12V	46436					




Screwholding mechanic's point



Cat. No.	N/S No.				oz/g	Shelf Pack
247-3	46391	3/76	1/8/3	5 3/4/146	0.83/24	6
247-3V	46392					
247-4	46393	4/100	1/8/3	6 3/4/174	1.17/33	6
247-4V	46394					
247-6	46395	6/150	1/8/3	9 3/8/238	1.87/53	6
247-6V	46396					
247-8	46397	8/200	1/8/3	11 1/8/289	2.13/60	6
247-8V	46398					
248-4	46399	4/100	3/8/5	7 1/2/191	2.67/76	6
248-4V	46400					
248-7	46401	7/175	3/8/5	10 1/2/267	3.07/87	6
248-7V	46402					
249-8	46403	8/200	3/2/7	12 1/4/311	6.72/191	6
249-8V	46404					




Screwholding Phillips point



Cat. No.	N/S No.	Point size				oz/g	Shelf Pack
261-3	46405	no. 1	3/76	3/8/5	6 3/8/162	1.87/53	6
261-3V	46406						
262-4	46407	no. 2	4/10	1/4/6	7 3/4/197	3.73/106	6
262-4V	46408						




Electrician's round



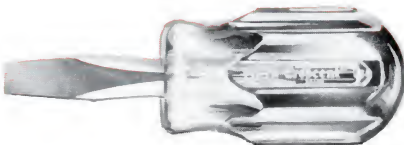
Cat. No.	N/S No.				oz/g	Shelf Pack
243-3	46375	3/76	3/8/5	6 3/8/162	1.76/50	6
243-3V	46376					
243-4	46377	4/100	3/8/5	7 1/2/190	2.13/60	6
243-4V	46378					
243-6	46379	6/150	3/8/5	9 1/2/241	2.67/76	6
243-6V	46380					
243-8	46381	8/200	3/8/5	11 1/2/292	3.20/91	6
243-8V	46382					
243-10	46383	10/250	3/8/5	13 1/2/343	3.47/98	6




Electronic thin blade



Cat. No.	N/S No.				oz/g	Shelf Pack
244-4	46385	4/100	3/8/4	6 3/4/171	1.07/30	6
244-4V	46386					
244-6	46387	6/150	3/8/4	8 3/4/222	1.20/34	6
244-6V	46388					
244-8	46389	8/200	3/8/4	10 3/4/273	1.60/45	6
244-8V	46490					




Stubby



Cat. No.	N/S No.				oz/g	Shelf Pack
443-1 1/2	46476	1 1/2/32	1/4/6	3 1/8/78	2.00/57	6
443-1 1/2V	46477					




Genuine Phillips



Cat. No.	N/S No.	Point size	 "/mm	 "/mm	 "/mm	oz/g	Shelf Pack
300 300V	46410 46411	no. 0	3/76	1/8/3	5 1/4/146	0.96/27	6
301 301V	46413 46414	no. 1	3/76	3/8/5	6 3/8/162	2.13/60	6
302 302V	46415 46416	no. 2	4/100	1/4/6	7 3/4/187	5.33/151	6
303 303V	46417 46418	no. 3	6/150	5/8/8	10 1/4/260	5.87/166	6
304	46419	no. 4	8/200	3/8/10	13/330	8.53/242	6
331 331V	46425 46426	no. 1	8/200	3/8/5	11 1/2/292	2.67/76	6
332 332V	46427 46428	no. 2	6/150	1/4/6	9 3/4/247	4.00/113	6




Phillips stubby



Cat. No.	N/S No.	Point size	 "/mm	 "/mm	 "/mm	oz/g	Shelf Pack
311 311V	46421 46422	no. 1	1/25	3/8/5	2 5/8/73	0.91/26	6
322 322V	46423 46424	no. 2	1 1/4/32	1/4/6	3 3/8/79	1.92/54	6

Pocket with clip screwdriver



Cat. No.	N/S No.	 "/mm	 "/mm	 "/mm	oz/g	Shelf Pack
543-2 543-2V	46484 46485	2/50	1/8/3	4 1/8/104	0.60/17	12

Rhino screwdriver pack



Four popular-sized screwdrivers in a convenient reusable plastic pouch.

Cat. No.	N/S No.	Contents	oz/g	Shelf Pack
143P	46537	143-4—Mechanic's round	19.34/5.48	3
		143-6—Mechanic's square		
		243-6—Electrician's round		
		304—Genuine Phillips		

Rhino screwdriver set



Six popular-sized screwdrivers in a convenient reusable plastic pouch.




Cat. No.	N/S No.	Contents	oz/g	Shelf Pack
RR6	46773	243-3—3"/76mm Electrician's round	27.50/779	1
		243-6—6"/150mm Electrician's round		
		343-4—4"/100mm Mechanic's square		
		343-8—8"/200mm Mechanic's square		
		301—No. 1 Genuine Phillips		
		303—No. 3 Genuine Phillips		

Bridgeport® screwdrivers

Contoured handles and precision ground blades ensure firm grip with maximum comfort. Heavy duty steel alloy blades, fully polished with a plated finish for strength and durability.




Mechanic's round



Cat. No.	N/S No.				oz/g	Shelf Pack
3143-3	46871	3/76	1/4/6	7/178	2.00/57	6
3143-4	46872	4/100	1/4/6	8/200	3.47/98	6
3143-6	46873	6/150	5/8/8	10 1/4/260	5.97/169	6
3143-8	46874	8/200	3/8/10	11 3/4/298	8.64/245	6




Mechanic's square



Cat. No.	N/S No.				oz/g	Shelf Pack
3343-4	46882	4/100	1/4/6	8/200	3.47/98	6
3343-6	46883	6/150	5/8/8	10 1/4/260	6.40/182	6
3343-8	46884	8/200	3/8/10	12 1/4/310	9.63/273	6




Electrician's round



Cat. No.	N/S No.				oz/g	Shelf Pack
3243-3	46875	3/76	3/8/5	7/178	1.76/50	6
3243-6	46876	6/150	5/8/5	10/250	2.67/76	6




Genuine Phillips



Cat. No.	N/S No.				oz/g	Shelf Pack
3301	46877	3/76	3/8/5	7/178	2.12/60	6
3302	46878	4/100	1/4/6	8/200	5.34/151	6
3303	46879	6/150	5/8/8	10 1/4/260	5.97/169	6




Stubby



Cat. No.	N/S No.				oz/g	Shelf Pack
3343-1 1/4	46881	1 1/4/32	1/4/6	3 3/4/82	2.00/57	6

Phillips Stubby



Cat. No.	N/S No.				oz/g	Shelf Pack
3322	46880	1 3/8/35	1/4/6	3 3/8/85	1.87/53	6

Bridgeport® screwdriver packs

Popular-sized screwdrivers in a convenient reusable plastic pouch.

Cat. No.	N/S No.	Contents	oz/g	Shelf Pack
333P	46893	330 1,3302,3303	14.43/380	3
335P	46894	3301,3302,3343-1 1/4 3243-6,3343-4	15.60/467	3

Scratch awls

Cushion grip



No.	N/S No.	"/mm	"/mm	oz/g	Shelf Pack
2245	46639	3 $\frac{7}{8}$ /98	7 $\frac{1}{2}$ /191	3.47/98	6
2245V	46640				

Wood handle



Cat. No.	N/S No.	"/mm	"/mm	oz/g	Shelf Pack
73	46301	3 $\frac{7}{8}$ /98	6 $\frac{5}{8}$ /168	3.33/94	6
73V	46302				

Crescent nutdrivers



Crescent nutdrivers feature steel shafts and precision-machined, case hardened sockets with bright plated polished finish. Plastic handles are color-coded for easy size identification.

Cat. No.	N/S No.	Color code	Hex. opening	Shaft length	Handle size	Shelf Pack
700- $\frac{3}{16}$	46742	Black	$\frac{3}{16}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{8}$ " x 3 $\frac{1}{8}$ "	6
700- $\frac{3}{16}$ V	46743					
700- $\frac{1}{4}$	46746	Red	$\frac{1}{4}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ "	6
700- $\frac{1}{4}$ V	46747					
700- $\frac{7}{16}$	46750	Amber	$\frac{5}{16}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ "	6
700- $\frac{7}{16}$ V	46751					
700- $\frac{1}{2}$	46752	Green	$\frac{1}{2}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ "	6
700- $\frac{1}{2}$ V	46753					
700- $\frac{3}{4}$	46754	Blue	$\frac{3}{4}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ "	6
700- $\frac{3}{4}$ V	46755					
700- $\frac{7}{8}$	46756	Brown	$\frac{7}{8}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ "	6
700- $\frac{7}{8}$ V	46757					
700- $\frac{1}{2}$	46758	Red	$\frac{1}{2}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ "	6
700- $\frac{1}{2}$ V	46759					
700- $\frac{9}{16}$	46760	Orange	$\frac{9}{16}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ "	6

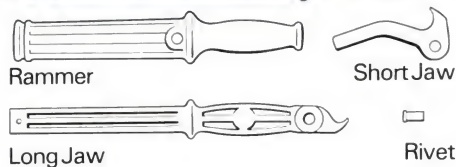
Note: To order carded nutdrivers, add suffix "V". (Example 700- $\frac{7}{8}$ V)

Nutdriver pouch set

Contains 7 drivers, all with full hollow shaft.

Cat. No.	N/S No.	Contents	Shelf Pack
700P	46762	700- $\frac{3}{16}$ " 700- $\frac{1}{4}$ " 700- $\frac{5}{16}$ " 700- $\frac{3}{8}$ " 700- $\frac{1}{2}$ " 700- $\frac{7}{8}$ " 700- $\frac{9}{16}$ "	1

Nail puller



Box-joint forged tempered jaws – black enamelled finish.

Cat. No.	N/S No.	"/mm	Full extension "/mm	lb/g	Shelf Pack
56	46284	19/483	24/610	3.86/1899	3

Conforms to U.S. Fed. Spec. GGG-P-791b, Type 1, Class-1.

Order nail puller parts by specifying both catalogue number and part name.

No.
56LJ (46285) long jaw
56SJ (46288) short jaw
56R/P (46286) rammer and pin
56R (46287) rivet

Three-piece kit



Contains adjustable wrench, slip joint pliers and Rhino screwdriver. Vinyl case with snap fastener.

Cat. No.	N/S No.	Contents	Shelf Pack
TK31	46268	L26—6" thin nose slip joint pliers AC18—8" chromium plated adjustable wrench 143-4—4" Rhino screwdriver	1
TK31V	46870	same contents as TK31 except pliers, wrench and screwdriver are skin packed on hang-up card	1

Pliers kit



Four pliers all drop forged from a fine alloy steel and fitted with cushion grips.

Cat. No.	N/S No.	Contents	Shelf Pack
PL-4	46774	50-7C—7"/178mm lineman's pliers 942-5C—5"/125mm diagonal cutting G26C—6"/150mm slip joint 1033-6C—6"/150mm needle nose pliers	1

Multi-Purpose Tool Kit



This versatile kit contains 11 quality tools, perfect for all types of routine repair and simple do-it-yourself projects. Everything comes neatly packaged in an attractive, easy-to-store case.

Cat. No.	N/S No.	Contents	Shelf Pack
CTK-11	46800	143-4— $\frac{1}{4}$ " / 6mm x 4" / 102mm Round Blade Screwdriver	3
		244-4— $\frac{3}{8}$ " / 3.17mm x 4" / 102mm Round Blade Screwdriver	
		301—No. 1 Phillips x 3" / 76mm Screwdriver	
		8— $\frac{1}{4}$ " / 6mm Hex Nutdriver	
		P12S—No. 0 Phillips x 2" / 51mm Screwdriver	
		654-6—6" / 152mm Long Nose Pliers with Side Cutter	
		AC16C—6" / 152mm Adjustable Wrench	
		443-1 $\frac{1}{4}$ — $\frac{1}{4}$ " / 6mm x 1 $\frac{1}{4}$ " / 32mm Stubby Square Blade Screwdriver	
		100-X—Wire Stripper & Cut Adj. Screw Top	
		W9210ME— $\frac{1}{2}$ " / 13mm x 10' / 3m Metric/English Tape Rule	
		G26—6" / 150mm Combination Pliers. Chrome Plated	

TC17 Tool chest

17 piece set: High impact molded toolchest with tray and 15 quality tools for home and professional use.

Dimensions: 19"/432mm x 6 1/2"/165mm x 4 1/2"/114mm
Weight: 7 lb/3.17 Kg



Cat. No.	N/S No.	Qty.	Contents	lb/kg	Shelf Pack
TC17	46863	1	8"/200mm adjustable wrench	7/3.17	1
		1	7"/178mm tongue and groove pliers		
		1	6"/150mm slip joint pliers		
		3	screwdrivers		
		1	wood handle awl		
		1	hacksaw		
		4	blades (10"/250mm and 12"/300mm)		
		1	four-in-hand file		
		1	6'/2m tape		
		1	10 oz. ripping hammer		

Crescent Modules

For use with the Cooper Tool Wall. For additional information regarding the Cooper module system see the last 2 pages of this catalog.

TW-1 (46802) Chrome adjustable wrench module



Size: 16"/400mm x 16"/400mm (B)
Shipping weight: 11 lb/5 Kg
Contains: Two (2) Each AC16V, AC18V, AC110V, AC112V.
TW1A (46803) refill assortment only.

TW-2 (46804) Black adjustable wrench module



Size: 16"/400mm x 16"/400mm (B)
Shipping weight: 10 lb/4 1/2 Kg
Contains: Two (2) Each AT16V, AT18V, AT110V, AT112V.
TW-2A (46805) refill assortment only.

TW-3 (46806) Slip joint pliers module



Size: 16"/400mm x 13"/330mm (C)
Shipping weight: 10 lb/4 1/2 Kg.
Contains: Three (3) Each G26V, G28V, L26V, H26V, H28V.
TW-3A (46807) refill assortment only.

TW-4 (46808) Tongue and Groove pliers module



Size: 16"/400mm x 16"/400mm (B)
Shipping weight: 12 1/4 lb/5 1/2 Kg
Contains: Two (2) Each R27CV, R212CV, Four (4) R210CV.
TW-4A (46809) refill assortment only.

TW-5 (46810) Solid joint pliers module



Size: 16"/400mm x 29"/740mm (A)
Shipping weight: 14 1/4 lb/6 1/2 Kg
Contains: Two (2) Each 50-8CV, 72-7CV, 542-7CV, 654-6CV, 654-7CV, 777-6CV, 942-5CV, 942-6CV, 1033-6CV.
TW-5A (46811) refill assortment only.

TW-6 (46812) Cushion grip screwdriver module



Size: 16" / 400mm x 29" / 740mm (A)
Shipping weight: 16½ lb / 7½ Kg
Contains: Three (3) Each 2143-4V,
2143-6V, 2143-8V, 2343-4V,
2343-6V, 2243-6V, 2501-3V,
2502-4V, 2343-1½V, 2522-1½V.
TW-6A (46813) refill assortment only.

TW-7 (46814) Rhino screwdriver module



Size: 16" / 400mm x 29" / 740mm (A)
Shipping weight: 14½ lb / 6.70 Kg
Contains: Three (3) Each 143-4V,
143-6V, 143-8V, 343-4V, 343-6V,
243-6V, 301-V, 302-V, 443-1½V,
322-V.
TW-7A (46815) refill assortment only.

TW-8 (46820) Nutdriver module



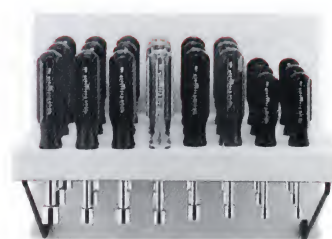
Size: 16" / 400mm x 29" / 740mm (A)
Shipping weight: 11½ lb / 5½ Kg
Contains: Three (3) Each 700-3/16V,
700-5/16V, 700-11/32V, 700-¾V,
700-7/16V, 700-½V, Six (6) 700-¼V.
TW-8A (46821) refill assortment only.

TW-58 (46890) Bridgeport module



Size: 16" / 400mm x 29" / 740mm (A)
Shipping weight: 14½ lb / 6.70 Kg
Contains: Three (3) Each 3143-4,
3143-6, 3143-8, 3243-3, 3243-6,
3301, 3302, 3343-4, 3343-6, 3343-8.
TW-58A (46891) refill assortment only.

TW-9 (46822) Hollow shaft nutdriver module



Size: 16" / 400mm x 13" / 330mm (C)
Shipping weight: 9½ lb / 4½ Kg
Contains: Three (3) Each 700-⅜, 700-⅝,
700-¾, 700-⅞, 700-1, 700-1½, Six (6)
700-½.
TW-9A (46823) refill assortment only.

TW-55 (46816) Open stock cushion grip screwdriver module



Size: 16" / 400mm x 16" / 400mm (B)
Shipping weight: 15½ lb / 6.90 Kg
Contains: Three (3) Each 2143-4, 2143-6,
2143-8, 2343-4, 2245, 2243-3,
2243-6, 2501, 2502, 2142-4, 2142-6.
TW-55A (46817) refill assortment only.

TW-56 (46818) Open stock Rhino screwdriver module



Size: 16" / 400mm x 16" / 400mm (B)
Shipping weight: 14½ lb / 6½ Kg
Contains: Three (3) Each 143-3, 143-4,
143-6, 143-8, 343-4, 343-8, 243-3,
243-6, 244-6, 301, 302, 443-1½, 322.
TW-56A (46819) refill assortment only.

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
6N	C17	247-3	C20	700-1V	C23	1950-8CV	C15	AC14J	C3	AT118	C2
7N	C17	247-3V	C20	700-1 $\frac{1}{2}$ V	C23	2050-9	C15	AC14K	C3	AT118J	C3
8	C24	247-4	C20	700-1 $\frac{3}{4}$ V	C23	2050-9C	C15	AC14P	C4	AT118K	C3
8N	C17	247-4V	C20	700-1 $\frac{1}{2}$ SC	C23	2050-9T	C15	AC14V	C1	AT118P	C4
9N	C17	247-6	C20	700-1 $\frac{1}{2}$ SC	C23	2050-SCV	C15	AC14CV	C2	CTK-11	C24
20-4 SC	C13	247-6V	C20	700-1 $\frac{1}{2}$ SC	C23	2142-4	C18	AC16	C1	625	C6
21-4 SC	C13	247-8	C20	700-1 $\frac{1}{2}$ SC	C23	2142-4V	C18	AC16C	C1	625V	C6
21-6	C13	247-8V	C20	700-1 $\frac{1}{2}$ SC	C23	2142-6	C18	AC16J	C3	626	C6
21-6C	C13	248-4	C20	700-1 $\frac{1}{2}$ SC	C23	2142-6V	C18	AC16K	C3	626V	C6
21-6CV	C13	248-4V	C20	700-1 $\frac{1}{2}$ SC	C23	2143-3	C17	AC16P	C4	628	C6
21-6SC	C13	248-7	C20	700-1 $\frac{1}{2}$ SC	C23	2143-3V	C17	AC16V	C1	628V	C6
22-4SC	C11	248-7V	C20	700-1 $\frac{1}{2}$ SC	C23	2143-4	C17	AC16CV	C2	6210	C6
22-5	C11	249-8	C20	700-1 $\frac{1}{2}$ SC	C23	2143-4V	C17	AC18	C1	6210V	C6
22-5C	C11	249-8V	C20	700P	C23	2143-6	C17	AC18C	C2	H26	C6
22-5V	C11	261-3	C20	742-7	C10	2143-6V	C17	AC18I	C1	H26V	C6
22-5CV	C11	261-3V	C20	742-7C	C10	2143-8	C17	AC18J	C3	H28	C6
22-5SC	C11	262-4	C20	775-4 SC	C12	2143-8V	C17	AC18K	C3	H28V	C6
23-7	C13	262-4V	C20	775-5SC	C12	2143-10	C17	AC18P	C4	J26	C6
23-7C	C13	270P	C19	777-6	C12	2143-10V	C17	AC18V	C1	J26V	C6
23-7SC	C13	300	C21	776-6SC	C13	2143-12	C17	AC18CV	C2	L25	C6
25-4 SC	C10	300V	C21	777-6V	C12	2143-12V	C17	AC110	C1	L25V	C6
25-4 SC	C10	301	C21	777-6C	C12	2150-8	C15	AC110C	C2	L26	C6
25-4 SC	C10	301V	C21	777-6CV	C12	2150-8C	C15	AC110I	C1	L26V	C6
27-4 SC	C13	302	C21	777-6SC	C12	2150-8T	C15	AC110J	C3	L28	C6
50-6	C14	302V	C21	777-7	C12	2243-3	C18	AC110K	C3	L28V	C6
50-6C	C14	303	C21	777-7C	C12	2243-3V	C18	AC110P	C4	LS26	C7
50-6V	C14	303V	C21	777-7V	C12	2243-4	C18	AC110V	C1	LS26V	C7
50-6CV	C14	304	C21	777-7CV	C12	2243-4V	C18	AC110CV	C2	P12	C24
50-6T	C14	304V	C21	777-7SC	C12	2243-6	C18	AC112	C1	PBN5	C5, C7
50-7	C14	311	C21	888-6	C12	2243-6V	C18	AC112C	C2	PBN6	C5, C7
50-7C	C14	311V	C21	888-6C	C12	2243-8	C18	AC112I	C1	PBN10	C5, C7
50-7V	C14	322	C21	888-6SC	C12	2243-8V	C18	AC112J	C3	PBN27	C5, C7
50-7CV	C14	322V	C21	923-7	C7	2243-10	C18	AC112K	C3	PBN210	C5, C7
50-7T	C14	331	C21	940-6	C8	2243-10V	C18	AC112P	C4	PBN212	C5, C7
50-8	C14	331V	C21	940-6C	C8	2245	C23	AC112V	C1	PL-4	C24
50-8C	C14	332	C21	940-6SC	C8	2245V	C23	AC112CV	C2	R27	C5
50-8V	C14	332V	C21	941-4SC	C8	2343-1 $\frac{1}{2}$	C18	AC115	C1	R27C	C5
50-8CV	C14	333P	C22	941-4SCE	C8	2343-1 $\frac{1}{2}$ V	C18	AC115J	C3	R27V	C5
50-8T	C14	335P	C22	942-4	C9	2343-4	C17	AC115K	C3	R27CV	C5
56	C23	343-4	C19	942-4C	C9	2343-4V	C17	AC115P	C4	R210	C5
56R	C23	343-4V	C19	942-4CV	C9	2343-6	C17	AC118	C1	R210C	C5
56U	C23	343-6	C19	942-4SC	C9	2343-6V	C17	AC118J	C3	R210V	C5
56RP	C23	343-6V	C19	942-4 SC	C9	2343-8	C17	AC118K	C3	R210CV	C5
56SJ	C23	343-8	C19	942-5	C9	2343-8V	C17	AC118P	C4	R212	C5
72-6	C16	343-8V	C19	942-5C	C9	2343-12	C17	AC124	C1	R212C	C5
72-6C	C16	343-12	C19	942-5V	C9	2401-3	C18	AC124J	C3	R212V	C5
72-6V	C16	343-12V	C19	942-5CV	C9	2401-4	C18	AC124K	C3	R212CV	C5
72-6CV	C16	443-1 $\frac{1}{2}$	C20	942-5SC	C9	2401-6	C18	AC124P	C4	R214C	C5
72-7	C16	443-1 $\frac{1}{2}$ V	C20	945-5SCV	C9	2401-8	C18	AC Kit	C3	R214CV	C5
72-7C	C16	542-7	C10	942-6	C9	2501	C18	ACV	C3	R220	C5
72-7V	C16	542-7C	C10	942-6C	C9	2501V	C18	AT14	C2	R220C	C5
72-7CV	C16	542-7I	C10	942-6I	C9	2502	C18	AT14C	C2	R220CV	C5
72-8	C16	542-7V	C10	942-6V	C9	2502V	C18	AT14C	C2	R410	C5
72-8C	C16	542-7CV	C10	942-6CV	C9	2503	C18	AT14J	C3	R410C	C5
72-8V	C16	542-8	C10	942-4SC	C9	2503V	C18	AT14K	C3	R410V	C5
72-8CV	C16	542-8C	C10	943-5SC	C9	2504	C18	AT14P	C4	R410CV	C5
72-9	C16	542-8I	C10	946-4 SC	C9	2904V	C18	AT14V	C1	R414C	C5
72-9C	C16	543-2	C21	951-4SCE	C9	2522	C18	T14C	C2	RP-AC	C4
72-9V	C16	543-2V	C21	1000-8	C16	2522	C18	AT16	C2	RP-AT	C4
72-9CV	C16	622-5	C11	1000-10	C16	2522V	C18	AT16C	C2	RR-6	C21
73	C23	622-5C	C11	1000-12	C16	2701	C19	AT16J	C3	TC-17	C25
73V	C23	622-5V	C11	1033-5 $\frac{1}{2}$	C11	2702	C19	AT16K	C3	TK31	C24
100-X	C24	622-5CV	C11	1033-5 $\frac{1}{2}$ SC	C11	2703	C19	AT16P	C4	TK31V	C24
143P	C21	622-5SC	C11	1033-6	C11	2722	C19	AT16V	C1	TW-1	C25
143-3	C19	650-7	C14	1033-6C	C11	3143-3	C22	T16CV	C2	TW-1A	C25
143-3V	C19	650-7C	C14	1033-6V	C11	3143-4	C22	AT18	C2	TW-2	C25
143-4	C19	650-7V	C14	1033-6CV	C11	3143-6	C22	AT18C	C2	TW-2A	C25
143-4V	C19	650-7CV	C14	1033-6SC	C11	3143-8	C22	AT18I	C2	TW-3	C26
143-6	C19	650-7SC	C14	1033-7	C11	3243-3	C22	AT18J	C3	TW-3A	C26
143-6V	C19	654-5 $\frac{1}{2}$	C10	1033-7C	C11	3243-6	C22	AT18K	C3	TW-4	C25
143-8	C19	654-5 $\frac{1}{2}$ V	C10	1033-7CV	C11	3301	C22	AT18P	C4	TW-4A	C25
143-8V	C19	654-6	C10	1033-7SC	C11	3302	C22	AT18V	C1	TW-5	C26
143-10	C19	654-6C	C10	1033-7V	C11	3303	C22	AT18CV	C2	TW-5A	C26
143-10V	C19	654-6I	C10	1936-10	C16	3322	C22	AT110	C2	TW-6	C26
143-12	C19	654-6V	C10	1936-10C	C11	3343-1 $\frac{1}{2}$	C22	AT110C	C2	TW-6A	C26
143-12V	C19	654-6CV	C10	1936-10V	C16	3343-4	C22	AT110I	C2	TW-7	C26
200SCED	C8	654-6SC	C10	1936-10CV	C16	3343-6	C22	AT110J	C3	TW-7A	C26
243-3	C20	654-7	C10	1950-6	C15	3343-8	C22	AT110K	C3, C4	TW-8	C26
243-3V	C20	654-7C	C10	1950-6C	C15	3800-6	C16	AT110P	C4	TW-8A	C26
243-4	C20	654-7I	C10	1950-6CV	C15	3800-6C	C16	AT110V	C2	TW-9	C26
243-4V	C20	654-7V	C10	1950-6T	C15	3800-6T	C16	AT110CV	C2	TW-9A	C26
243-6	C20	654-7CV	C10	1950-6V	C15	3800-7	C16	AT112	C2	TW-55	C29
243-6V	C20	654-7SC	C10	1950-7	C15	3800-7C	C16	AT112C	C2	TW-55A	C29
243-8	C20	665-5 $\frac{1}{2}$ SC	C11	1950-7C	C15	3800-7T	C16	AT112J	C3	TW-56	C29
243-8V	C20	666-4 $\frac{1}{2}$ SC	C11	1950-7CV	C15	3800-8	C16	AT112K	C3, C4	TW-56A	C29
243-10	C20	666-6	C12	1950-7T	C15	3800-8C	C16	AT112P	C4	TW-58	C28
244-4	C20	666-6C	C12	1950-7V	C15	3800-8T	C16	AT112V	C2	TW-58A	C28
244-4V	C20	666-8CV	C12	1950-8	C15	AC	C3	AT112CV	C2		
244-6	C20	666-6SC	C12	1950-8C	C15	AC 1	C3	AT115	C2		
244-6V	C20	700-1 $\frac{1}{2}$	C23	1950-8I	C15	AC 1V	C3	AT115J	C3		
244-8	C20	700-1 $\frac{1}{2}$ V	C23	1950-8T	C15	AC 14	C1	AT115K	C3		
244-8V	C20	700-1 $\frac{1}{2}$	C23	1950-8V	C15	AC 14C	C2	AT115P	C4		

